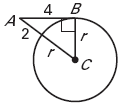
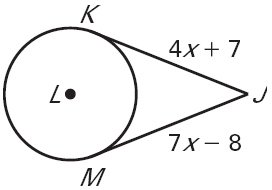
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

CW 91: Tangent Properties

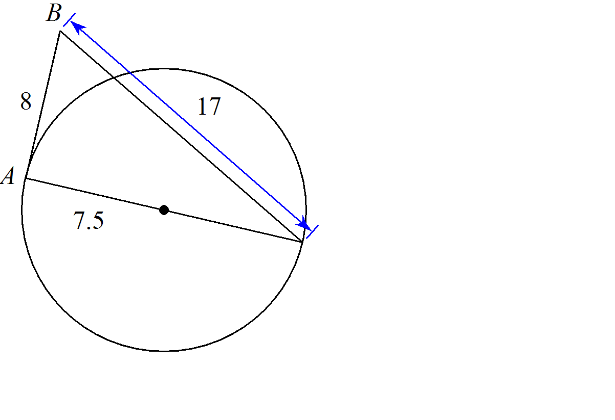
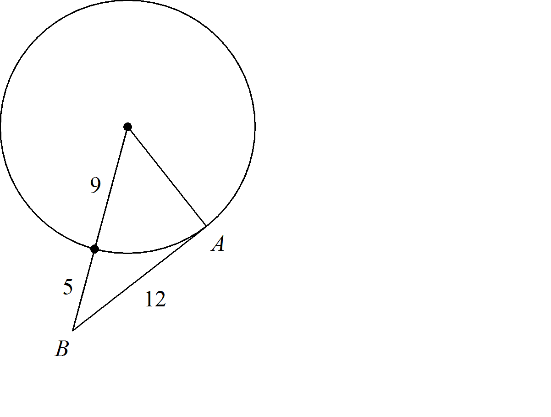
**Honors Geometry**

|  |  |  |
| --- | --- | --- |
| **Vocabulary** | **Definitions** | **Drawing** |
| Tangent | A tangent is a line that intersects the circle in exactly one point.  Line m is tangent to circle Q if and only if |  |
| Tangent Segments | If  and  are tangent segments, then |  |

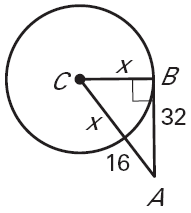
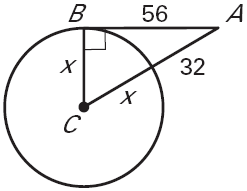
1. Find the length of the radius. 2. Find the value of x.



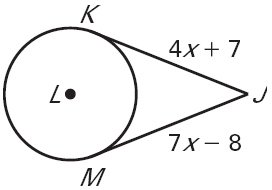
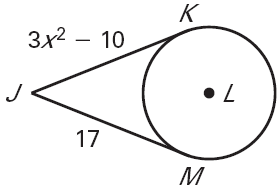
1. Determine if segment AB is tangent to the circle.



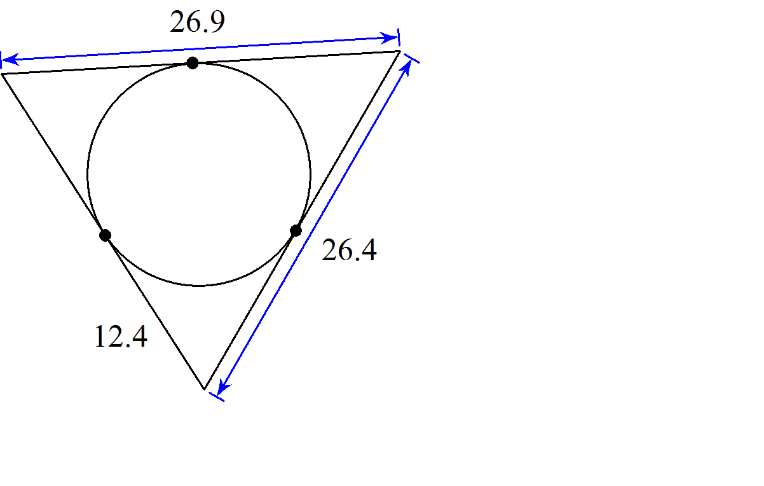
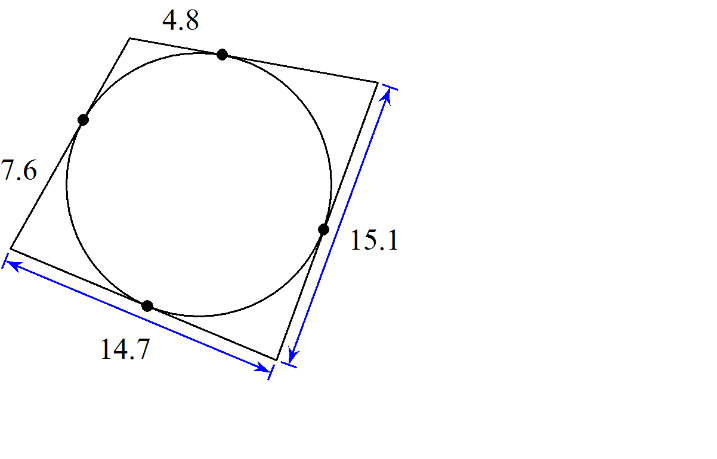
1. In the diagrams, B is the point of tangency. Find the radius of circle C.



1. The points K and M are points of tangency. Find the value(s) of x.



1. Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent. Round each number to the nearest tenth.



1. Find the angle measure indicated. Assume that lines which appear to be tangent are tangent.

